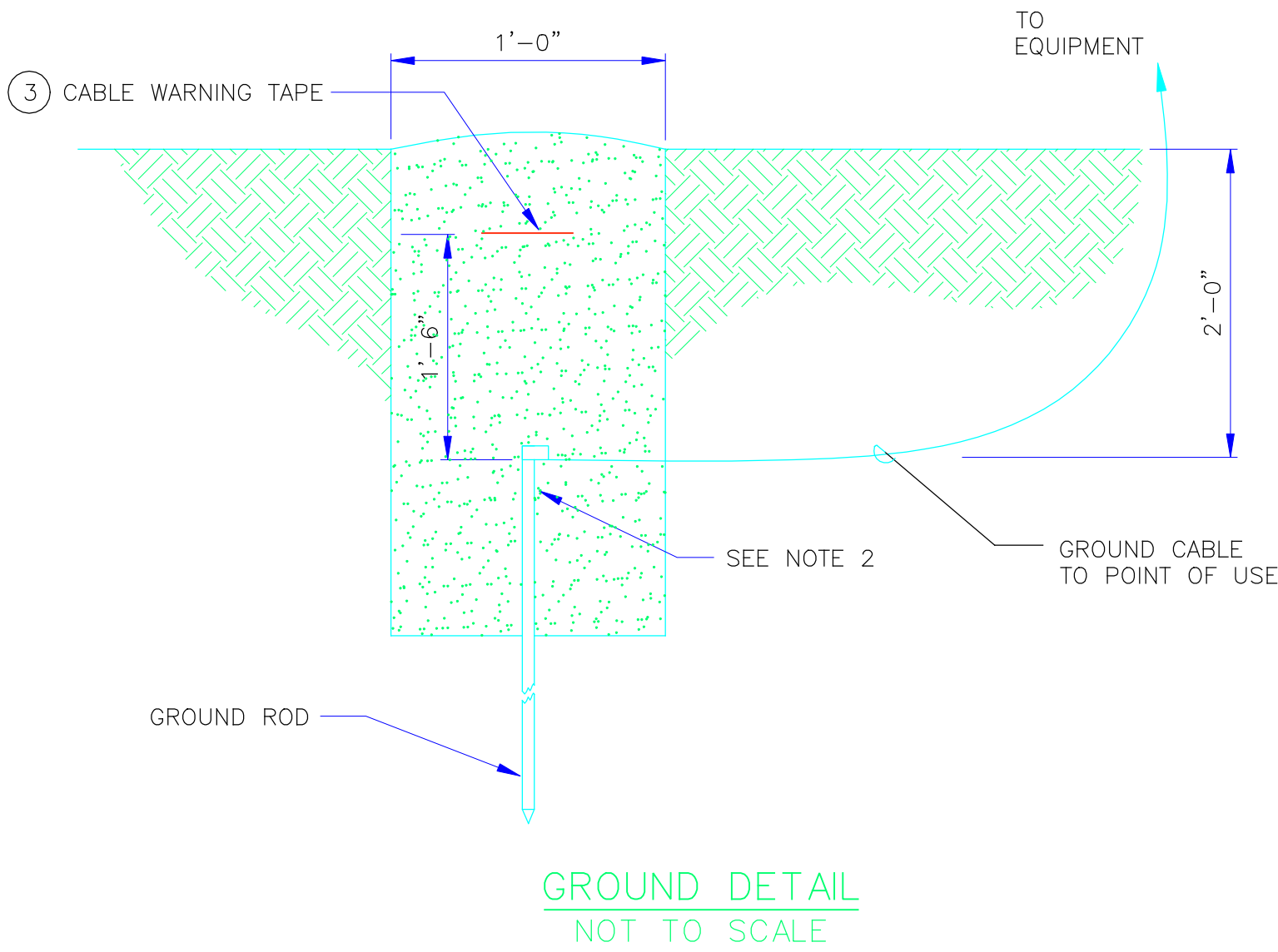


- NOTES:**
1. EARTH ELECTRODE SYSTEM (EES) INSTALLED PRIOR TO TIMBER, BUILDING AND STRUCTURE INSTALLATION AND TOWER FOUNDATIONS.
  2. MAIN GROUNDING LOOP AND GROUNDING ROD ARE A MINIMUM OF 2'-0" BELOW GRADE.
  3. COPPER WIRE AND GROUND ROD CONNECTIONS ARE EXOTHERMIC WELDED, PER FAA-STANDARD-19E.
  4. ALL EXOTHERMIC WELDS TESTED PER FAA-STANDARD-19E.
  5. GROUND RESISTIVITY TEST RESULTS PROVIDED PER FAA-STANDARD-19E.
  6. GROUND RODS ARE INTERCONNECTED BY A BURIED, BARE, #4/0 AWG, BARE COPPER CABLE. CABLE IS BURIED AT LEAST 2'-0" BELOW GRADE LEVEL. INTERCONNECTING CABLE SHALL CLOSE ON ITSELF FORMING A COMPLETE LOOP WITH ENDS EXOTHERMICALLY WELDED.
  7. 10' LENGTHS OF COILED CABLE AT TOWER 1, 2 AND 3 THE EQUIPMENT SHELTER, SATELLITE DISH FOUNDATION AND TILT-UP TOWER FOUNDATION LEFT FOR FUTURE GROUNDING CONNECTIONS.
  8. ANCHOR AND GROUNDING, SUBJECT TO CHANGE BASED ON SITE CONDITIONS.

MATERIAL PART LIST			
LIGHTNING GROUNDING AND BONDING			
ITEM NO.	MANUFACTURER	PART NO.	QTY.
①	3/4"x10'-0" COPPER-CLAD STEEL GROUND ROD		9 EA
②	#4/0 AWG CU BARE STRANDED WIRE (EES AND STRUCTURE PIG-TAILS)		400 FT
③	CABLE WARNING TAPE		400 FT



PLAN VIEW  
NOT TO SCALE

TO EQUIPMENT

TO GROUND

GUY WIRE CLAMP  
HARGER SSC25/875

GROUNDING WIRE

PIPE CLAMP

DETAIL  
SCALE: N.T.S.

FOR OFFICIAL USE ONLY

A	ESTABLISH SSO								
REV	APPROVED DATE	DESCRIPTION				JCN	REDLINE DATE	APVD	
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WESTERN SERVICE AREA ANCHORAGE, AK									
SSO									
ELECTRICAL PLAN VIEW EARTH ELECTRODE SYSTEM AND GROUND DETAILS									
VARIOUS AK									
REVIEWED BY		SUBMITTED BY				APPROVED BY			
		R.J.VASSAR				STEVE HOUSER, MANAGER			
		PROJECT ENGINEER				COMMUNICATIONS ENGINEERING CENTER			
		DESIGNED		ISSUED BY		DATE		JCN	
		DRAWN		TECHNICAL OPERATIONS ENGINEERING SERVICES		DRAWING NO		REV	
		CHECKED				ALD-XXX-E16		A	

SHEET NO  
E-16